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Docket No.: 200300131

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey J. Spiegelman & Daniel Alvarez, Jr.

Application No.: 10/626,266

Filed: July 23, 2003

Group Art Unit:

Examiner:

Confirmation No.:

Title: METHOD FOR THE POINT OF USE PRODUCTION OF AMMONIA
FROM WATER AND NITROGEN

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7/22/04 Linda Woodhouse
Date Signature
LINDA WOODHOUSE
(Typed or printed name of person signing certificate)

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AND/OR AGENTS AND CHANGE OF CORRESPONDENCE ADDRESS**

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Mykrolis Corporation, a Corporation duly organized under the laws of the State of Delaware, is the assignee of the entire right, title and interest in the above-identified application. Mykrolis Corporation hereby appoints the attorneys and/or agents associated with:

Customer No. 021005
Hamilton, Brook, Smith & Reynolds, P.C.
530 Virginia Road
P.O. Box 9133
Concord, Massachusetts 01742-9133

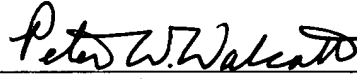
to prosecute the above-identified application and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

A Statement under 37 C.F.R. §3.73(b) is submitted herewith.

All correspondence should be sent to Customer No. 021005, Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, Massachusetts 01742-9133. Please direct all telephone calls to Alice O. Carroll, Esq. at (978)341-0036, and all facsimile communications to (978)341-0136.

Respectfully Submitted,

Mykrolis Corporation

A handwritten signature in black ink, reading "Peter W. Walcott", written over a horizontal line.

Peter W. Walcott
Vice President, General Counsel

Date: April 9, 2004



STATEMENT UNDER 37 C.F.R. §3.73(B)

Inventor: Jeffrey J. Spiegelman & Daniel Alvarez, Jr.

Application No.: 10/626,266

Patent No.:

Filed Date: July 23, 2003

Issue Date:

For: METHOD FOR THE POINT OF USE PRODUCTION OF AMMONIA
FROM WATER AND NITROGEN

Mykrolis Corporation,
(Name of Assignee)

a Corporation
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.

OR


- B. ☒ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: Jeffrey J. Spiegelman & Daniel Alvarez, Jr.
To: Aeronex, Inc.
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.
2. From: Aeronex, Inc.
To: Mykrolis Corporation
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.
3. From:
To:
The document was recorded in the United States Patent and Trademark Office at Reel , Frame , or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: April 9, 2004


Peter W. Walcott
Vice President, General Counsel



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 19, 2004

PTAS



102588222A

BROWN MARTIN HALLER ET.AL.
COLLEEN J. MCKIERNAN
1660 UNION ST.
SAN DIEGO, CA 92101

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RECORDATION DATE: 10/28/2003

REEL/FRAME: 014631/0477

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SPIEGELMAN, JEFFREY J.

DOC DATE: 10/22/2003

ASSIGNOR:

ALVAREZ, DANIEL

DOC DATE: 10/22/2003

ASSIGNEE:

AERONEX, INC.

6975 FLANDERS DR.

SAN DIEGO, CALIFORNIA 92121

SERIAL NUMBER: 10626266

FILING DATE: 07/23/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR THE POINT OF USE PRODUCTION OF AMMONIA FROM WATER AND NITROGEN

DOCKET NUMBER: 3194.1032-000

014631/0477 PAGE 2

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



10-30-2003

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(Rev. 10/02)

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U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

102588222

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1. Name of conveying party(ies):

Jeffrey J. SPIEGELMAN
Daniel ALVAREZ, Jr

10-28-03

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 10/22/2003

2. Name and address of receiving party(ies)

Name: AERONEX, INC.

Internal Address: _____

Street Address: 6975 Flanders Dr

City: San Diego State: CA Zip: 92121

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/626,266

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brown Martin Haller & McClain, LLP

Internal Address: Colleen J. McKiernan

Street Address: 1660 Union St

City: San Diego State: CA Zip: 92101

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

02-4070

OCT 28 AM 7:23
OPR/FINANCE

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9. Signature.

Colleen J. McKiernan

Name of Person Signing

Signature

October 23, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 4

10/29/2003 ECOOPER 00000045 10626266

01 FC:6021

40.00 DP

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that we, Jeffery J. Spiegelman, a citizen of the United States, having a place of residence at 5289 Meadows Del Mar, San Diego, CA 92130; and Daniel Alvarez, Jr, a citizen of the United States, having a place of residence at 10908 Black Mountain Road #1, San Diego, CA 92126 have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto AERONEX, Inc., a California corporation, having a place of business at 6975 Flanders Dr, San Diego, CA 92121, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to METHOD FOR THE POINT OF USE PRODUCTION OF AMMONIA FROM WATER AND NITROGEN by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on July 23, 2003 and assigned Serial No. 10/626,266, and all original and reissue patents granted thereof, and all divisions, continuations-in-part and continuations thereof, including the subject-matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto the said corporation in keeping with this Assignment.

Done at SAN Diego, ~~October~~ ^{CA²⁸} this 23^d day
of October, 2003.
Jeffrey J Spiegelman

Penelope D. Letwin
Witness Signature

PENELOPE D. LETWIN
Witness Name

Done at San Diego, CA this 23rd day
of October, 2003.
Daniel Alvarez, Jr
Daniel Alvarez, Jr

Penelope D. Letwin
Witness Signature

PENELOPE D. LETWIN
Witness Name



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



700064681A

FEBRUARY 09, 2004

PTAS

TIMOTHY J. KING
129 CONCORD ROAD
BILLERICA, MA 01821-4600

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RECORDATION DATE: 02/06/2004

REEL/FRAME: 014315/0337
NUMBER OF PAGES: 28

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
AERONEX, INC.

DOC DATE: 10/27/2003

ASSIGNEE:
MYKROLLIS CORPORATION
129 CONCORD ROAD
BILLERICA, MASSACHUSETTS 01821-4600

SERIAL NUMBER: 09661617
PATENT NUMBER:

FILING DATE: 09/14/2000
ISSUE DATE:

SERIAL NUMBER: 10084022
PATENT NUMBER:

FILING DATE: 02/25/2002
ISSUE DATE:

SERIAL NUMBER: 10173335
PATENT NUMBER: 6638341

FILING DATE: 06/14/2002
ISSUE DATE: 10/28/2003

014315/0337 PAGE 2

SERIAL NUMBER: 10273810
PATENT NUMBER:

FILING DATE: 10/17/2002
ISSUE DATE:

SERIAL NUMBER: 10626266
PATENT NUMBER:

FILING DATE: 07/23/2003
ISSUE DATE:

SERIAL NUMBER: 60419390
PATENT NUMBER:

FILING DATE: 10/17/2002
ISSUE DATE:

SERIAL NUMBER: 60449284
PATENT NUMBER:

FILING DATE: 02/21/2003
ISSUE DATE:

SERIAL NUMBER: 60475245
PATENT NUMBER:

FILING DATE: 06/02/2003
ISSUE DATE:

SERIAL NUMBER: 10683904
PATENT NUMBER:

FILING DATE: 10/10/2003
ISSUE DATE:

SERIAL NUMBER: 10683903
PATENT NUMBER:

FILING DATE: 10/10/2003
ISSUE DATE:

SERIAL NUMBER: 60475145
PATENT NUMBER:

FILING DATE: 06/02/2003
ISSUE DATE:

SERIAL NUMBER: 60480709
PATENT NUMBER:

FILING DATE: 06/23/2003
ISSUE DATE:

SERIAL NUMBER: 60488850
PATENT NUMBER:

FILING DATE: 07/21/2003
ISSUE DATE:

SERIAL NUMBER: 60513351
PATENT NUMBER:

FILING DATE: 10/22/2003
ISSUE DATE:

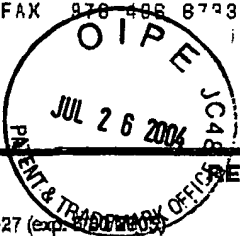
ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
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002/030

02/06/2004
700064681Form PTO-1595
(Rev. 10/02)

OMB No. 0851-0027 (exp. 01/01/2005)

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Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 10/27/03

2. Name and address of receiving party(ies)

Name: Mykrolis Corporation

Internal Address: _____

Street Address: 129 Concord Road

City: Billerica State: MA Zip: 01821-4600

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 09/661,617

B. Patent No.(s) _____

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Timothy J. King

Internal Address: _____

Street Address: 129 Concord Road

City: Billerica State: MA Zip: 01821-4600

6. Total number of applications and patents involved: 14

7. Total fee (37 CFR 3.41).....\$ 560.00

- ☐ Enclosed
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8. Deposit account number:

501-908

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9. Signature.

Timothy J. King

Name of Person Signing

Signature

Date

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Washington, D.C. 20231

CIT: \$560.00 501908 09661617

**ADDITIONAL APPLICATION NUMBERS
FOR ASSIGNMENT RECORDATION**

Serial No.	Filing Date	
10/084,022	February 25, 2002	
10/173,335	June 14, 2002	
10/273,810	October 17, 2002	
10/626,266	July 23, 2003	
60/419,390	October 17, 2002	
60/449,284	February 21, 2003	
60/475,245	June 2, 2003	
10/683,904	October 10, 2003	Which claims priority to 60/475,245
10/683,903	October 10, 2003	Which claims priority to 60/475,245
60/475,145	June 2, 2003	
60/480,709	June 23, 2003	
60/488,850	July 21, 2003	
60/513,351	October 22, 2003	

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